

Abstract

In the sector antenna of the present invention, a feeder waveguide is formed that branches midway from a feeder port to each of a plurality of antennas.

This feeder waveguide is formed from a waveguide tube and includes a main

5 feeder line that extends from a waveguide that extends from the feeder port and branches in two directions, and branch feeder lines that each branch in two directions from the two ends of the main feeder line. Sector selection

structures are provided for selectively shutting off each branch waveguide by effectively forming conductive walls for blocking the cross section of each of

10 the branch waveguides at positions of each of the branch feeder lines that branch and extend from the main feeder line and from which each branch waveguide begins.